APPENDIX 1

State and Federally Listed Threatened and Endangered Species Present Within the Lower Merrimack River Corridor Community



NEW HAMPSHIRE NATURAL HERITAGE BUREAU

DRED - DIVISION OF FORESTS & LANDS
PO BOX 1856 -- 172 PEMBROKE ROAD, CONCORD, NH 03302-1856
(603) 271-2214

Rare Plants, Rare Animals, and Exemplary Natural Communities in New Hampshire Towns



February 2008

NH Natural Heritage is a bureau in the Division of Forests & Lands. Our mission is to find, track, and facilitate the protection of New Hampshire's rare plants and exemplary natural communities (which are essentially different types of forests, wetlands, grasslands, etc.). We currently study more than 740 plant and animal species, 195 natural communities. Our database contains information on more than 5,000 species or natural community occurrences throughout the state.

Plants, Animals, and Natural Communities Tracked by the NH Natural Heritage Bureau

The following lists note the rare plants, rare animals, and exemplary natural communities that the NH Natural Heritage Bureau has on record in each town. This document may not be used as a substitute for NH Natural Heritage Bureau reviews that are required by the Department of Environmental Services, Federal Energy Regulatory Commission, or any other local, state, or federal government agency. *A few species that are highly vulnerable to collection are not included in the town lists*. In addition, the list is dynamic: as new populations and natural communities are reported to our office, the list grows. Planners and interested residents should therefore contact the NH Natural Heritage Bureau directly if they need upto-date information or have questions.

Exemplary Natural Communities

Natural communities are basically different types of forests, wetlands, grasslands, etc.: formally defined as assemblages of plants and animals that recur in predictable patterns across the landscape under similar physical conditions. Most of the New Hampshire landscape is covered by relatively common natural community types. Scattered throughout the state, however, and usually in predictable areas, are distinctive communities found in few other places.

Particular sets of natural communities tend to co-occur in the landscape and are linked by a common set of driving forces, such as landforms, flooding, soils, and nutrient regime. These are referred to as natural community systems. Systems are at an appropriate scale for many conservation applications, including mapping and predictive modeling, correspondence to wildlife and wildlife habitats, and as direct conservation targets in conservation planning.

The NH Natural Heritage Bureau tracks "exemplary" natural community and system occurrences. To qualify as exemplary, a natural community or system in a given place must be of a rare type, such as a calcareous riverside seep, or must be a very old occurrence of a common community in good condition, such as an old-growth spruce - fir forest.

Rare Plant Species

The NH Natural Heritage Bureau tracks the state's rarest and most imperiled plant species. We have identified these plants in cooperation with researchers, conservation organizations such as The Nature Conservancy, and knowledgeable amateur botanists. We obtained plant locations from sources including herbarium specimens (some dating from the late 1800s), personal contacts, the scientific literature, and through extensive field research. The NH Natural Heritage Bureau undertakes surveys on private property only with landowner permission.

Rare Animal Species

The NH Natural Heritage Bureau tracks rare animal species in cooperation with the Nongame & Endangered Wildlife Program of the NH Fish & Game Department. The Nongame Program has identified these species in cooperation with researchers, conservation organizations such as the Audubon

Society of New Hampshire, knowledgeable amateur biologists, and the NH Natural Heritage Bureau. Wildlife locations were obtained from sources including museum specimens, personal contacts, the scientific literature, and through extensive field research.

For each plant, animal, and exemplary natural community within a town, we have provided the following information:

Name

Plants: Readers should remember that common names vary across the range of the plant. For example, "wild lupine" (*Lupinus perennis*) in New Hampshire is called "wild blue lupine" in New York and "sundial lupine" in other parts of its range; the name also commonly leads to confusion with garden lupine (*Lupinus polyphyllus*) which is not native to New Hampshire but grows wild in some areas. Scientific names are standardized with the scientific names used by other Natural Heritage programs throughout North and South America. The primary references used are:

Flora of North America Editorial Committee. 1993-2003. Flora of North America North of Mexico. vols. 1-4, 22, 23, 25, 26. Oxford University Press, NY.

Kartesz, J.T. and R. Kartesz. 1980. A Synonymized Checklist of the Vascular Flora of the United States, Canada, and Greenland. vol. 2 - The Biota of North America. The University of North Carolina Press, Chapel Hill, NC.

Wildlife: Common names are provided for all species that have them. Many insect species, particularly moths, do not have common names, so general terms such as "A Noctuid Moth" are used or no name is given ("--"). Scientific names are standardized with the scientific names used by other Natural Heritage programs throughout the United States, Canada, the Caribbean, Latin America, and South America.

Natural Communities: The names of natural communities reflect the plants that help define them, such as a Beech Forest, or the environmental processes that influence them, such as a Boulder - Cobble River Channel.

Listing

Plants: Most of New Hampshire's rare plants are listed as "threatened" or "endangered" under the NH Native Plant Protection Act of 1987 (NH RSA 217-A). The most recent revision of the list came into effect on June 25, 2005. A subset of species are also listed under the federal Endangered Species Act of 1973 (42 USCA ∋∋ 4321-4370c). Listing represents a political recognition of rarity, so some species that are biologically rare (and therefore included in the list) may not be listed as "threatened" or "endangered." Under the NH Native Plant Protection Act, "endangered" species are those in danger of being extirpated from the state, while "threatened" species face the possibility of becoming "endangered."

The presence of a rare plant or natural community does not limit a landowner's ability to use their land – this is stated explicitly in the NH Native Plant Protection Act. Landowners applying for state wetland permits are required by the NH Department of Environmental Services to review options for achieving their land-use objectives while protecting a rare plant or natural community, but projects will not be denied solely on the basis of a rare plant occurrence. In our experience, rare plants are typically destroyed because landowners are not aware of them; minor changes to their projects usually could have saved the rarities. Our goal is to help landowners protect rarities on their properties *voluntarily*.

Wildlife: A portion of New Hampshire's rare animals are listed as "threatened" or "endangered" under the NH Endangered Species Conservation Act of 1979 (NH RSA 212-A). A subset of these species are also listed under the federal Endangered Species Act of 1973 (42 USCA ∋∋ 4321-4370c). As with plants, listing represents a political recognition of rarity, so some species that are biologically rare (and therefore included in the list) may not be listed as "threatened" or "endangered." Under the NH Endangered Species Conservation Act, "endangered" species are those in danger of being extirpated from the state, while "threatened" species face the possibility of becoming "endangered."

Rare wildlife in New Hampshire are under the jurisdiction of the Nongame and Endangered Wildlife Program in the NH Fish & Game Department.

Known Locations

We have noted the number of occurrences of a given plant, animal, or natural community within each town. There has not been a comprehensive search of the state for rare species or natural communities, so we are frequently finding or learning about previously unknown populations. Further, many rare plant and animal populations have not been checked since they were originally found, sometimes more than 50 years ago, so we do not know the status of these populations. We have listed populations that have not been reported to us in the last 20 years as "historical only"; these populations may still be present, but field surveys are necessary to confirm their survival.

We have also included the number of known occurrences of each plant, animal, and natural community within the entire state. If no locations are indicated (- -), the species is known to have once occurred in the state, but specific sites are not in our database.

Flags

When considering the rarity of a species, it is important to consider the status of a species both in New Hampshire and across its total range. Some species, such as the wildflower Jesup's milk-vetch (Astragalus robbinsii var. jesupi), are critically imperiled both globally and in New Hampshire. Jesup's milk-vetch has three known populations on the planet, all on a 16-mile stretch of the Connecticut River. Other species, such as small yellow lady's-slipper (Cypripedium parviflorum), are very rare in New Hampshire but quite common in other parts of their range.

We refer to a plant species as "globally rare" if it has fewer than 20 populations anywhere in the world, or if it has more populations but few reproducing individuals. "State rare" species are those that may be common elsewhere, but have few populations or total individuals in New Hampshire.

The rankings for wildlife are based more on the degree of imperilment than on the number of occurrences in the state, although abundance certainly plays a role in assessing a species' long-term viability in New Hampshire. Some species, such as the fish crow (Corvus ossifragus) have only a few occurrences in New Hampshire but, since they are expanding northward into the state, they are considered to be vulnerable but not imperiled. Blanding's turtles (Emydoidea blandingii), on the other hand, appear to be distributed fairly broadly across the state, but populations are small and vulnerable to habitat loss, so they are considered at risk.

The relative quality of a rare species population or natural community is also important when assessing its conservation importance. We consider all populations to be of high conservation value, but an "excellent" population (say with several hundred plants) of a globally rare species is particularly important when compared to a "marginal" population (say with only five plants).

To help planners assess the relative importance of rare species and exemplary natural communities in their town, we have attached "flags" to occurrences that have been recorded in the last 20 years. The flags are as follows:

**** Highest

An excellent example of a globally rare species or natural

community

Extremely High A good example of a global rarity or an excellent example of a

state rarity

Very High

A marginal example of a global rarity or a good example of a

state rarity

High

A marginal example of a state rarity

Readers should remember that there are many different ways to assess the value of a rare species population or a natural community. We therefore recommend that towns contact the NH Natural Heritage Bureau at (603) 271-2214 to discuss why occurrences in their towns were flagged at each level.

In addition to recognizing Endangered and Threatened plant species, the NH Native Plant Protection Act identifies 11 plants as Special Concern. These species are somewhat uncommon in New Hampshire, and are at risk of decline due to over-collection. The NH Natural Heritage Bureau does not track these species.

Narrow-leaf wild leek

Allium tricoccum var. burdickii

Wild leek

Allium tricoccum var. tricoccum

Wild ginger

Asarum canadense

Giant blue cohosh

Caulophyllum giganteum Caulophyllum thalictroides

Blue cohosh Sea lavender

Limonium carolinianum

Ostrich fern

Matteuccia struthiopteris var. pensylvanica

Canadian burnet

Sanguisorba canadensis

Slippery elm

Ulmus rubra

If you have any questions or need additional information, please do not hesitate to contact us. Thank you!

Address: NH Natural Heritage/DRED

Telephone: (603) 271-2214

Fax: (603) 271-6488

PO Box 1856

Concord, NH 03302-1856

Web page: www.nh.gov/dred/divisions/forestandlands/bureaus





A Quick Overview of the NH Natural Heritage Bureau's Purpose and Policies

The Natural Heritage Bureau is mandated by the Native Plant Protection Act of 1987 (NH RSA 217-A) to determine protective measures and requirements necessary for the survival of native plant species in the state, to investigate the condition and degree of rarity of plant species, and to distribute information regarding the condition and protection of these species and their habitats.

The Natural Heritage Bureau provides information to facilitate informed land-use decision-making. We are not a regulatory agency; instead, we work with landowners and land managers to help them protect the State's natural heritage and meet their land-use needs.

The Natural Heritage Bureau has three facets:

Inventory involves identifying new occurrences of sensitive species and classifying New Hampshire's biodiversity. We currently study more than 740 plant and animal species and 195 natural communities. Surveys for rarities on private lands are conducted only with landowner permission.

Tracking is the management of occurrence data. Our database currently contains information about more than 5,000 plant, animal, and natural community occurrences in New Hampshire.

Interpretation is the communication of Natural Heritage Bureau information. Our goal is to cooperate with public and private land managers to help them *protect* rare species populations and exemplary natural communities.



| Town | | List | ed? | # reporte | d last 20 |
|------|--|--------------------|-----------------|--------------------------|-----------|
| Flag | Species or Community Name | Federal | State | Town | State |
| Huds | on | | | | |
| | Natural Communities - Terrestrial | | | | |
| ** | 00 00 00 00 00 00 00 00 00 00 00 00 00 | | | | · · |
| | Dry Appalachian oak - hickory forest Hemlock forest | | - | 1 | 15 |
| *** | Rich Appalachian oak rocky woods | | 3. - | Historical | 4 |
| | The state of the s | | - | 2 | 19 |
| | Natural Communities - Palustrine | | | | |
| * | Kettle hole bog system | | - | 1 | 23 |
| | Plants | | | | |
| | American Plum (Prunus americana) | | E | Historical | 7 |
| | Arethusa (Arethusa bulbosa) | 11 77.5 | T | Historical | 21 |
| | Arrow-headed Rattlebox (Crotalaria sagittalis) | | E | Historical | 1 |
| | Bird's-foot Violet (Viola pedata) | - | Ţ | Historical | 11 |
| ** | Blunt-leaved Milkweed (Asclepias amplexicaulis) | | Ţ | Historical | 12 |
| ** | Dwarf Huckleberry (Gaylussacia dumosa) | | T | 1 | 10 |
| | Four-leaved Milkweed (Asclepias quadrifolia) | | <u> </u> | . 1 | 7 |
| | Hairy Bedstraw (<i>Galium pilosum</i>) Hairy Stargrass (<i>Hypoxis hirsuta</i>) | 5 | E | Historical | 4 |
| | Kalm's Brome Grass (<i>Bromus kalmii</i>) | | E E | Historical | 14 |
| | Northern Prickly Ash (<i>Zanthoxylum americanum</i>) | | E | Historical Historical | 3 1 |
| | Pink Azalea (Rhododendron periclymenoides) | _ | Ē | Historical | 2 |
| | Prostrate Tick Trefoil (Desmodium rotundifolium) | - | Ŧ | Historical | 9 |
| | River Birch (Betula nigra) | | Ť | Historical | 8 |
| ** | Rue Anemone (Thalictrum thalictroides) | | Ē | 1 | 5 |
| *** | Sicklepod (Arabis canadensis) | | Ŧ | 1 | . 8 |
| | Skydrop Aster (Symphyotrichum patens) | | Ė | Historical | 9 |
| | Slender Bush-clover (Lespedeza virginica) | | Ē | Historical | 7 |
| | Slender Pinweed (Lechea tenuifolia) | | E | Historical | 2 |
| | Smooth-forked Chickweed (Paronychia canadensis) | | T | Historical | 8 |
| | Walking Fern (Asplenium rhizophyllum) | *** | E | Historical | 6 |
| | Wild Lupine (Lupinus perennis) | - | T | Historical | 26 |
| | Vertebrates - Mammals | | | | |
| ** | New England Cottontail (Sylvilagus transitionalis) | 10.02 | - | 1 | 19 |
| | Vertebrates - Reptiles | | | | |
| ** | Blanding's Turtle (<i>Emydoidea blandingii</i>) | | | 1 | 444 |
| | Eastern Box Turtle (<i>Terrapene carolina</i>) | - | - | ا Historical | 111 5 |
| | | | - | HISTORICAL | 3 |
| ** | Vertebrates - Fish | | | | |
| ** | Banded Sunfish (Enneacanthus obesus) | | - | 1 | 24 |
| | Invertebrates - Insects | | | | |
| | A Geometrid Moth (Metarranthis apiciaria) | | - | Historical | 2 |
| | Cobweb Skipper (Hesperia metea) | | - | Historical | 5 |
| | Horace's Dusky Wing (Erynnis horatius) | | - | Historical | 1 |
| | Persius Dusky Wing (Erynnis persius persius) | - | Ε | Historical | 6 |
| | Wild Indigo Duskywing (Erynnis baptisiae) | | - | Historical | 1 |
| | | | | | |

E = Endangered

T = Threatened

W = Special concern (watch list)

M = Monitored

Flags

**** = Highest importance

*** = Extremely high importance

** = Very high importance

* = High importance



| Town | | List | ed? | # reported | last 20 |
|--------|--|-------------------|--------------|------------|---------|
| Flag | Species or Community Name | Federal | State | Town | State |
| Lisbo | <u>n</u> | | | | |
| | Natural Communities - Palustrine | | | | |
| | Medium level fen system | - | - | Historical | 58 |
| | Plants | | | | |
| | Chestnut Sedge (Carex castanea) | (**** | Е | Historical | 3 |
| | Stiff Gentian (Gentianella quinquefolia) | - | Ē | Historical | 6 |
| Litchf | iel <u>d</u> | | | | |
| | Natural Communities - Palustrine | | | | |
| ** | Kettle hole bog system | | 20 | 2 | 23 |
| * | Medium level fen system | | | 1 | 58 |
| | Red maple - sensitive fern swamp | | | Historical | 10 |
| *** | Sand plain basin marsh system | | - | 4 | 16 |
| | Plants | | | | |
| | Bald Spike-rush (Eleocharis erythropoda) | | E | Historical | 4 |
| | Blunt-leaved Milkweed (Asclepias amplexicaulis) | | Т | Historical | 12 |
| ** | Dwarf Huckleberry (Gaylussacia dumosa) | | Т | 1 | 10 |
| ** | False Pimpernel (Lindernia dubia var. anagallidea) | | Ε | 2 | 4 |
| ** | Grassleaf Goldenrod (Euthamia caroliniana) | | Ε | 1 | 6 |
| | Long-leaved Bluets (Houstonia longifolia) | | Ε | Historical | 3 |
| | Low Bindweed (Calystegia spithamaea) | | E | Historical | 8 |
| ** | Reticulated Nutrush (Scleria reticularis) | == | E | 1 | 1 |
| *** | Sharp-flowered Mannagrass (Glyceria acutiflora) | | E | 2 | 9 |
| | Wild Lupine (Lupinus perennis) | · | Ţ | Historical | 26 |
| | Wright's Spike-rush (Eleocharis diandra) | | Е | Historical | 3 |
| | Vertebrates - Mammals | | | | |
| ** | New England Cottontail (Sylvilagus transitionalis) | 99 <u>444</u> (e) | (<u>=</u>) | 1 | 19 |
| | Vertebrates - Birds | | | | |
| ** | Grasshopper Sparrow (Ammodramus savannarum) | : | T | 1 | 12 |
| | Great Blue Heron (Rookery) (Ardea herodias) | ***** | *** | Historical | 38 |
| | Vertebrates - Reptiles | | | | |
| ** | Blanding's Turtle (Emydoidea blandingii) | | ₩: | 4 | 111 |
| ** | Eastern Hognose Snake (Heterodon platirhinos) | | T | 1 | 23 |
| ** | Spotted Turtle (Clemmys guttata) | | - | 8 | 68 |
| | Invertebrates - Insects | | | | |
| *** | Ringed Bog Haunter (Williamsonia lintneri) | _ | Ε | 2 | 5 |
| | 450 450 50 10 10 10 10 10 10 10 10 10 10 10 10 10 | | | | |

E = Endangered

T = Threatened

W = Special concern (watch list)

M = Monitored

Flags

**** = Highest importance

*** = Extremely high importance

** = Very high importance

* = High importance



| | | | | | <u> </u> |
|--------------|--|-----------------|----------------|--------------------------|--------------------|
| Town Flag | Species or Community Name | List Federal | | # reporte Town | d last 20 State |
| Merri | mack | | | | |
| | Natural Communities - Terrestrial | | | | |
| | Pitch pine - scrub oak woodland | | - | Historical | 16 |
| | Natural Communities - Palustrine | | | riiotorioar | 10 |
| | Moderate-gradient sandy-cobbly riverbank system | | _ | Historical | 10 |
| ** | Pitch pine - heath swamp | | | 1 | 2 |
| ** | Red maple floodplain forest | | - 15 - 15 | 3 | 15 |
| ** | Sand plain basin marsh system | | <u> </u> | 2 | 16 |
| * | Silver maple - false nettle - sensitive fern floodplain forest | (ir) | - | 2 | 22 |
| ** | Swamp white oak basin swamp | - | => | 1 | 4 |
| | Plants | | | | |
| | Bald Spike-rush (Eleocharis erythropoda) | | E | Historical | 4 |
| ** | Bird's-foot Violet (Viola pedata) | | Т | 1 | 11 |
| | Blunt-leaved Milkweed (Asclepias amplexicaulis) | - | Т | Historical | 12 |
| | Butterfly Weed (Asclepias tuberosa) | 55 6 | E | Historical | 7 |
| | Common Sandbur (Cenchrus longispinus) | | E | Historical | 11 |
| | Goat's Rue (<i>Tephrosia virginiana</i>) Low Bindweed (<i>Calystegia spithamaea</i>) | | E E | Historical | 6 |
| | Philadelphia Panic Grass (<i>Panicum philadelphicum</i>) | | E | Historical Historical | 8 8 |
| | Siberian Chives (Allium schoenoprasum) | | Ē | Historical | 7 |
| | Skydrop Aster (Symphyotrichum patens) | | Ē | Historical | 9 |
| *** | Smooth Bidens (Bidens laevis) | 7 <u>22</u> | E | 1 | 2 |
| | Stiff Tick Trefoil (Desmodium obtusum) | - | E | Historical | 2 |
| | Virginian Mountain Mint (Pycnanthemum virginianum) | - | E | Historical | 3 |
| 4.4 | Wild Garlic (Allium canadense) | | E | Historical | 5 |
| ** | Wild Lupine (Lupinus perennis) | | T | 1 | 26 |
| | Wild Senna (Senna hebecarpa) | | E | Historical | 10 |
| | Wright's Spike-rush (Eleocharis diandra) | 1957-191 | E | Historical | 3 |
| ** | Vertebrates - Mammals | | | | |
| | New England Cottontail (Sylvilagus transitionalis) | - | - | 2 | 19 |
| 200 | Vertebrates - Birds | | | | |
| | Grasshopper Sparrow (Ammodramus savannarum) | | Т | 1 | 12 |
| ** | Vesper Sparrow (Pooecetes gramineus) | | | 1 | 12 |
| | Vertebrates - Reptiles | | | | |
| | Blanding's Turtle (Emydoidea blandingii) | | - | 2 | 111 |
| ** | Eastern Hognose Snake (Heterodon platirhinos) | | Т | 2 | 23 |
| ** | Wood Turtle (Glyptemys insculpta) | | _ | 1 | 111 |
| | Vertebrates - Fish | | | | |
| | American Brook Lamprey (Lampetra appendix) | | - | Historical | 3 |
| | Banded Sunfish (Enneacanthus obesus) | | - | 1 | 24 |
| | Bridled Shiner (Notropis bifrenatus) | | 5 - | Historical | 17 |
| | Swamp Darter (Etheostoma fusiforme) | == | | 1 | 13 |
| | Invertebrates - Insects | | | | |
| | Karner Blue Butterfly (Lycaeides melissa samuelis) | E | Е | Historical | 5 |
| | | | | | |

E = Endangered

T = Threatened

W = Special concern (watch list)

M = Monitored

Flags

**** = Highest importance

*** = Extremely high importance

** = Very high importance

* = High importance



| Town | | Listed? | | # reported last 20 | |
|--------------|--|-------------------|----------------|--------------------------|----------|
| | Species or Community Name | Federal | | Town | State |
| Nash | <u>ua</u> | | | | |
| | Natural Communities - Terrestrial | | | | |
| | Hemlock forest | - | | Historical | 4 |
| | Pitch pine - scrub oak woodland | - | = | Historical | 16 |
| | Natural Communities - Palustrine | | | | |
| * | Medium level fen system | 9 55-1 | | 1 | 58 |
| ** | Poor level fen/bog system | 0 | (50) | 1 | 27 |
| ** | Sand plain basin marsh system | | - | 1 | 16 |
| | Plants | | | | |
| | American Plum (Prunus americana) | s | E | Historical | 7 |
| 0.20 | Arrow-headed Rattlebox (Crotalaria sagittalis) | - | E | Historical | 1 |
| * | Bird's-foot Violet (Viola pedata) | - | <u>T</u> | 1 | 11 |
| | Common Sandbur (Cenchrus longispinus) | | E : | Historical | 11 |
| | Goat's Rue (<i>Tephrosia virginiana</i>) Hairy Stargrass (<i>Hypoxis hirsuta</i>) | _ | E E | Historical Historical | 6 14 |
| *** | Northern Blazing Star (<i>Liatris scariosa var. novae-angliae</i>) | | E | 2 | 15 |
| | Northern Prickly Ash (<i>Zanthoxylum americanum</i>) | <u></u> | Ē | Historical | 13 |
| | Siberian Chives (Allium schoenoprasum) | | Ē | Historical | 7 |
| | Sicklepod (Arabis canadensis) | | T | Historical | 8 |
| *** | Smooth Bidens (Bidens laevis) | - | Е | 1 | 2 |
| | White-topped Aster (Sericocarpus linifolius) | | E | Historical | 5 |
| | Wild Garlic (Allium canadense) | | E | Historical | 5 |
| ** | viid Lupine (Lupinus perennis) | | Ţ | 1 | 26 |
| | Wild Senna (Senna hebecarpa) | 5.7 4 | E | Historical | 10 |
| | Vertebrates - Reptiles | | | | |
| ** | Blanding's Turtle (<i>Emydoidea blandingii</i>) | | = | 1 | 111 |
| | Eastern Hognose Snake (Heterodon platirhinos) | | Т | Historical | 23 |
| ** | apolica farile (Olemnys gallata) | | 3 - | 2 | 68 |
| | Vertebrates - Fish | | | | |
| ** | Banded Sunfish (Enneacanthus obesus) | | - | 1 | 24 |
| <u>Nelso</u> | <u>n</u> | | | | |
| | Natural Communities - Palustrine | | | | |
| | Poor level fen/bog system | | - | Historical | 27 |
| | Plants | | | | |
| | Green Adder's Mouth (Malaxis unifolia) | 7 <u>444</u> | Т | Historical | 56 |
| | Vertebrates - Birds | | 115.11 | 4 | variani. |
| *** | Bald Eagle (Haliaeetus leucocephalus) | М | E | 1 | 21 |
| ** | Common Loon (Gavia immer) | IVI | T | 2 | 225 |
| | Common Loon (Cavia minor) | ·· | | 2 | 220 |

E = Endangered

T = Threatened

W = Special concern (watch list)

M = Monitored

Flags

**** = Highest importance
*** = Extremely high importance

** = Very high importance

* = High importance